

Abstract of the Disclosure

5 With the new plasma display panel technology new kinds of  
artefacts can occur in video pictures. These artefacts are  
commonly described as dynamic false contour effect, since  
they correspond to disturbances of grey levels and colours  
in the form of an apparition of coloured edges in the pic-  
10 ture when the observation point on the PDP screen moves. Ac-  
cording to the invention such an artefact is compensated by  
analyzing the motion in the pictures assigning to each block  
of a picture a corresponding motion vector and performing a  
re-coding step in which a sub-field code word entry of a  
15 current pixel are calculated. For this purpose the motion  
vector is defined to point from a pixel in a previous pic-  
ture to a pixel in the current picture. The sub-field code  
word entries for a current pixel (P8) are determined by  
dragging sub-field entries of the pixels lying on the motion  
20 vector trajectory. In this way for each pixel there is an  
exact calculation of the sub-field code word of a pixel also  
for complex moving trajectories like zoom and rotation.

25 (Fig. 15)